

W.G.1.

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7666 v

Studies of the blood for malarial

parasites apparently began April 1886

J.C.

10/12/86 63

Case XLVIII John King. W. I. b 25-

Spleen enlarged.

Blood

2 slides examined. negative

15 cl.

It chills Ward 9. chills for 3 mos. Fever.
continuous. Lungs, white & healthy. No cough
exam negative

28 10/11/86
Case XL V. Oberlinck. W. 5.16.

adm. 21st. sept. 1st chill some time
before. chill in adm. W. in R.P. the following
day. one on 24th. T. normal on 28. 29. & 30 & 1st
Then. daily. 7. no ch. T. on 5. 6. & 7. 103°. Sweat-
Has been taking 2. 20gr l.i.d. while. F. cont.

Crescents present. no others

10/9/86
Case XL VI John McDermogh. at 30. 1st day

1st chill. mild. was working in farmment,
before that at Brighton Beach. Ch every day since

11th. Blood ~~little~~ many in. just before chill. all intra-
cellular
12 B. in ch. & in fever. very few. 2. on 13, 14 & 15. no chill
10/12/86

Case ~~XX~~ VII F Talbot. Ward 7. M. on & off many
-plan. Chills every now since Sep 12. T then
normal. Slight f. & ch. for brief weeks.
Blood contains crescent. only a few

10/1/86

Case X~~2~~ 111

Mallard? W. in Jan

James Donnelly W. 5. V. 2. Ch. Cant. road.

one on T. & 7. 2 on Salem. 2 on Sunday

one today at 2 am. Blood in return T. 100.2

A few fresh ones. - one in the capsule.

15th

X L 1X John Bell. W. 7. B 14. Malaria 3 months
chill every 3rd day. Last on the 12th.

crescents numerous. no others

15th

L Many dudhoo. Chills for 3 weeks. Blood taken
in chill. Intracellular forms. not very abundant
one or two circular forms seen. Very few indeed.

2 slides examined

16th. none seen..

From ribs

Mrs Card 20/4/86



1 Small lymphoid corpuscles, abundant. periphery granular center often clear



2 Ordinary, coarse granular marrow cells



3 Nucleated marrow cells with clear colorless protoplasm



b.



c

4 Nucleated red. ^(bvc) ~~some~~ in process of division. (d) two with nuclei migrating. These nuclei are identical with the lymphoid bodies at (1)



d.



5 Pale colored bodies, not the distal end of erythrocytes

X L. 11. John Sulmon ^{ad. 84.} 10/9/86
in ward 7. 15

1st attack two months ago. got better. now
chills & fe. for 3 weeks at first every other day. now
every day. chill yesterday. Is anemic still.
out. spleen edge palpable
Exam. when T. normal.

Negative ..

10/11/86. chill yesterday abt 4. Bl spec in

intercourse. . . nega in exam

10/12/86. T. normal. one or
two crescents.

along stuff like bacillus
4 times length of red corpus

20/10/86. crescents in blood

10/11/86

X L. 14. Chas Sant. W 7. 13 . chills 3. tertian

chill yesterday. 4. . 2 began today 5. 4 and only

Negative

10/14/86. again negative. no chills.

10/20/86. ^{chills again}
a few intracellular. chill today

10/26 . . . crescents. . . not many ..



(4) many of these pale spheres, not unlike
plasmas but there are larger ones of similar
aspect which resemble murex bodies



cells ^{centre of} from small nodules in spleen

5/4/86

4
Lophoceros
Lophoceros

10/9/81

60

Case XL 1. Common. Ward 7. 5.

admitted from H. J. where had been picking
cranberries. T. rose to 106. looked like Typhoid. No
chills. T. sank to normal remained so for days
then rose.

Blood exam. with neg. result twice. Today.
distinct crescents in slide: no ret. of spleen.

Leaf 8.

"7/6/56"

showing in the middle
the word "Blockley"

Case XL.

Arnold Seeman. Ward 5. 13

a Drilled 7th. 3 weeks. More recurrent
type. T up each day. ^{2nd} 103. + 106. even. Gents 1-
normal.

Slind ex in sweat. Intracellular forms.

UNIVERSITY
ONTARIO



9x3

Lafferty

5

Blind in chill . chills for 7 days.
very severe T . . .

Case i

20/5/86

Case ii . Mores H. Lewis . at 5-2 . old sailor . Hampton
 Home . Since 1868 has had chills & fever (3) . Has been
 months without it but remarkable . Left ^{the} home 14th
 April . Had chill Baiter . Has had a dozen since . Admitted
 Dec. 19th . Chill yesterday . at 2 PM continued until 3.30 . Came
 in at 5.30 . Sweated a little . Seems to have been a regular
 attack . Spleen not enlarged . Man looks well .

Blood . entirely negative $3/4$ of hour - absolutely
 clear in the red corp . no . Pus

chill every day . . now just beginning a
chill.

Time 2.45 pm 7 (8)

Case III. Icarus 11th 40. chill last Friday morn
since. Had the chills for a week. chills every night.
Pale looking. Has sweating every day. sweating
morn. Taking Quinine for a week.
Blood.

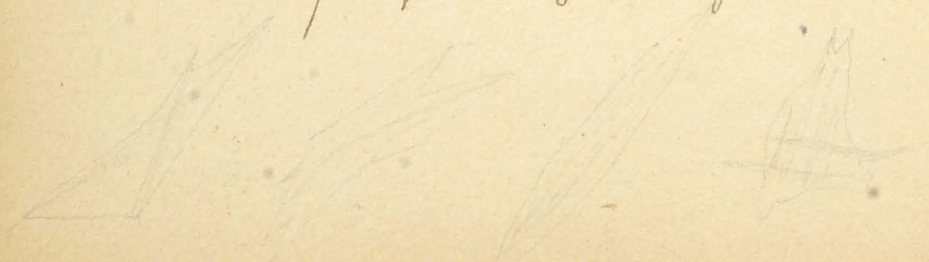
7/6/86

Stooly

Case IV. (a), Mrs - at 35. chills for three weeks.
tallow & anemic. Spleen the felt below costal
edge. chill on 5th. blood taken today an
hour or so before chill expect. said she felt like
one.
No special changes in red.

Case IV. (b) 2 slides prepared during chill
on 5th. surrounded with oil & not formalin
(1/3 insoluble). Exam 48 hours after. Red corpuscles
distinct. well preserved.

Many of them in the slide with the thinnest layer of
blood have assumed bizarre forms due possibly
to commencing crystallization of haemoglobin



M. SV 7 for 6 years. Reg chills & fever.
Resident of Hospital for 6 years
1st chill. Sunday. 2nd. 2nd chill. yesterday 5th
Blood in chill. Examined 2. P.M. 6th. none
found

10/6/86
XXXV" (cont) John Murphy. Still many
in blood. Taken just before chill

10/7/87. T. Each day runs 104 or 105.

Blood just before chill. Moderate number intra-
cellular forms

Across the way in with. They become more distinct & again more
diffuse

10/14/87. 2. since the. not many - indeed.

none in the slide examined.

16.4 none in slide examined.

Case XXXVIII Huthman March 7. 20
6/10/82 52

4/6/86

Mrs - Elletts Ind. et. 36

Haematuria since March or Feb. no chill
fully persistent: not affected much in general
health. On 31st a chill. - (ague) on Tuesday
the urine very dark.

Bottles of urine of T. recd. Th & Friday
brought for ex. all except Wed. of dark
purplish color & deposit a thick brown sediment
That of Wednesday still red. (light)

- (1) Urine of Tuesday. Many blood casts, large &
small. some pink & contain purple red
spherical masses of haematuria & a few actual
crystals. Many of the cells contain the pigment
and the bladder fullness is deeply stained
Eosinophiles have lost their coloring matter.
Many cylindroids. very few micrococci

Fig 1



cell with 3 deep purple red balls
of haematuria

Fig 2.

Cast with long extension like a nematode (cylindroid) / cast

Case XXXVII

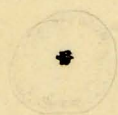
1074/86 55

1.20

John Murphy (D. Munn) / al 21

aspirate for six weeks. Del to Wyoming Co.
chills every day. Took 2. one day. Is anaemic
Spleen far below costal border. Yesterday T 104
Today 104. Blood in fever.

Very few forms only intracellular. no free in
crepuscle. 4 seen after at least an hour
search.



6.10

Pigmented body inside a sphere, like shell of
red corpus. The edges of the body are wavy
& the surface looks crumpled & folded. Rather
mulberry shaped body as if a collection of 8 or
ten round ones. Movement (?)

There have become much more distinct &
the big has moved to edge, Can now count 8 or
10 distinct greyish circular bodies

7.40

away until 7.40



The "shell" had burst and given exit to 10-12
small round bodies each of which appeared to
have a translucent or dark dot

8.40

They had evidently moved up.

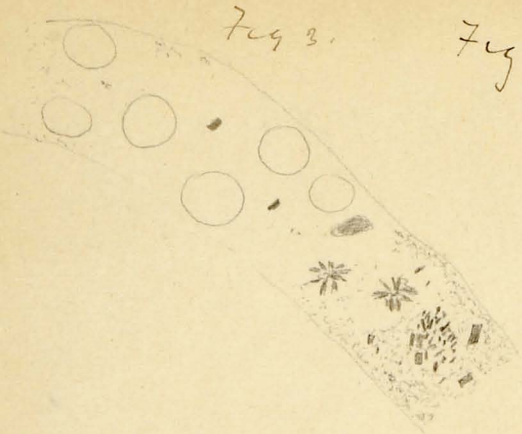


Fig 3.

Fig 3. blood cast. with deep
purple red granular
& crystalline haematoidin



Fig 4

In this specimen were many
bodies like these - very suggestive
at first of larva - ~~some of them~~ singularly
"nematoid" in form but a careful study
of them and of others in the field was conclusively of
the cryptogamic nature.



Fig 5

ovum-like body - imbedded in granular matter
with two corpuscles.

Case XXXVI. Jones Bros. Chill today
at 10. B. taken at 10 when in chill. 3 weeks
ago, it chill. me next day. Then took Med. Off
a week. Then every other day until. Last Wed.
morning day since. not had 2. today.

Moderate number of circular forms. no
crescentic bodies

Case IV. 161. Starts during chill

1.35

1.35-



1.37



1.39



1.40



one



1.42

both gone



1.50

none

1.56



2.16 no change

2.20



Case IV. (a) 2 hours after withdrawal.



Fragment of red embryo with filaments attached
which have a vibratile motion

Small & medium sized marrow cells not pigmented
larger ones contain pigment and these

Liver

(a)



Pigment in two situations (a),
along capillary walls & (b) in cells
of trabeculae. Fig (a). In former situation
not inside vessel and in the red cells
but in the walls.

Brain

Pigment (a) in capillary walls. (b)
in round cells - possibly neuroglia - (c)
in corpuscles in capillaries very scanty -

... a few others scattered & 1000 found in blood during life



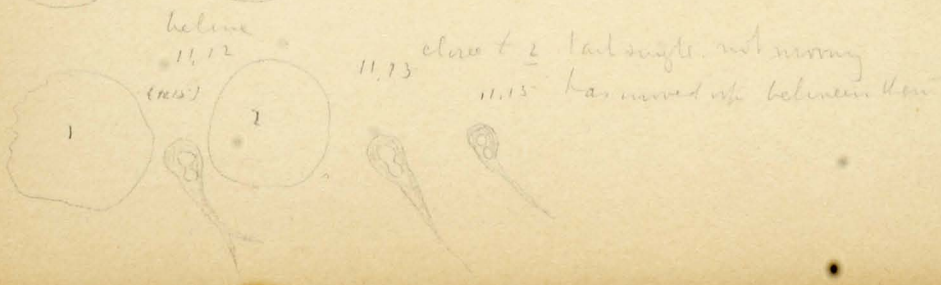
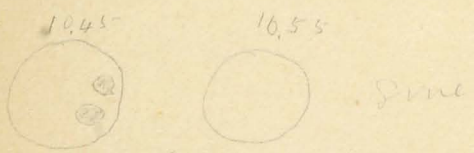
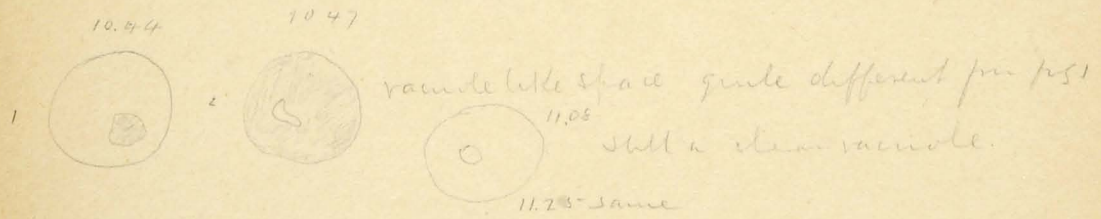
Museum. Got my draft from
Case XXVII. H. H.

10/11/86
55

Case V. 12/6/86. Mrs G. at 26 Dr. Ellis
Blood taken at 6 Pm in a chill 20" after
onset. Had had one 2 days before & had pur-
pore not been given genuine. Examination
in eve of 12th. Blood partially dry but in places
well preserved.



Corpuscle a little irregular; two distinct bodies
greyish looking, not vacuolar. Saw no change in
them and while arranging the drawing both.
for a moment or two & again looking they had
vanished absolutely.

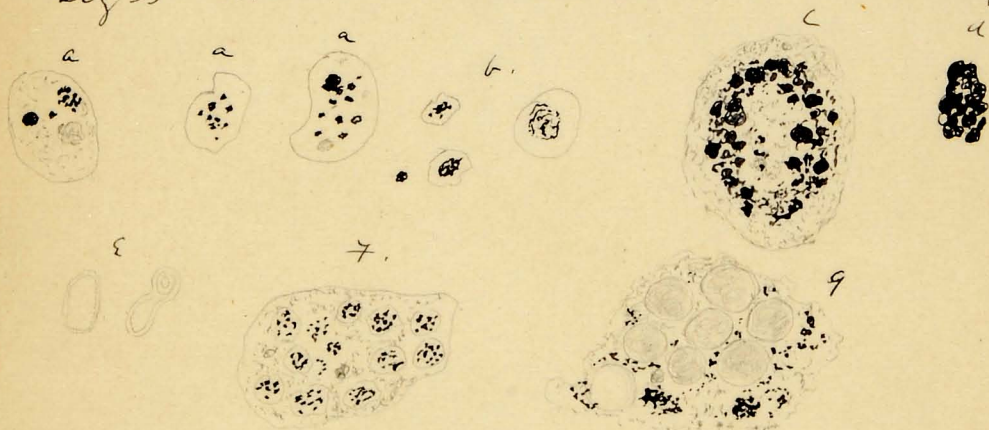


Case XXVII. Harry Harrison died we of 29th.

P.M. hrs after death.

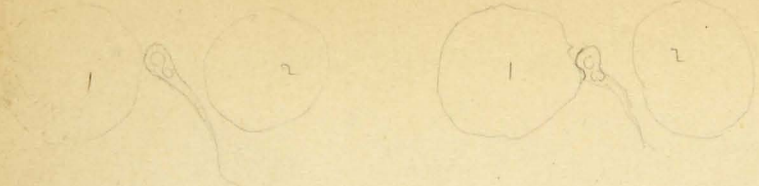
Spleen. Enlarged slate grey. pulp soft. In it

1. Colorless elements deeply pigmented, & of various sizes as at a, a, a. Smaller cells as at b. some of which



look not unlike chloroformed red with the pigmented bodies. c large pigmented cells. (d) clumps of irregular pigment (e) curious translucent-double contoured figures. not unlike myelin drops. (f)

Colorless mass with group of pigmented bodies above most of which the pigment seems in small cells. g. corpuscle ant. redos corpuscles none of which contain pig. bodies much pigment in the large corpuscle



is creeping up edge of no 1 & is indicated

11.27

11.35

11.47



11.29



bodies like this lying along side of the red corpuscles



highly refractile bodies in interior



Not many corpuscles affected. no pigment



10/1

Case $\times \times \times \vee$. Mammion 27 mother. of prec
chills since Sunday week. no L.
Taken in fever. chill not matted.

only a few. all intra-cellular.

Case $\times \times \times$. Mammion. see ante.
same as one in page

6.56

6.58

7.01

7.03



no movement of protoplasm noticeable.

Pigment distinctly reddish brown. and looks as if in little
bars or bands

Very many crescents and many of same structure. cc
with central body. inf round or oval

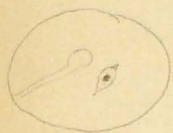
red corp. with the most brilliant red dot of pigment appear-
ing as a point

Some of these have a hard looking translucent outline
Pigment changes in this one quite active

21 at. still in. all crescents -

Spleen enlarged. chill in 4th. distinct
 some more. In 5th 6th & 7th.

4.27



4.40 no change

7.1



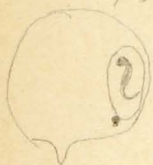
4.30



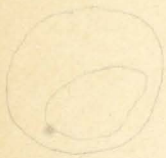
trace of a solid body in

4.35

4.5-5 no change



vacuole with a distinct
 no movement



large vacuole. no granules much. Corpora de more
 & changes its shape on the cell rolls against
 cytoplasm



Hyaline body not very clear, ^{not like a nucleus} fine granules
 in interior not very dark not like pigment

Ward. 2 7

Case XXXIV.

Manyon Child ^{64 4 2 South-} Mother also affected B. in fever
 time Sunday. next every day.

One seen. very destructive.

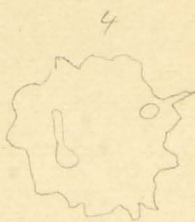
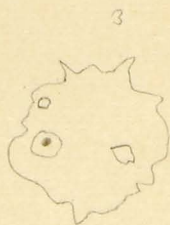
small one, not pigmented throughout
 moving quite actively
 color of capsule is pink
 no pigmented white capsule.

Case vi

Corpuscles in field of 12 in. with hyaline bodies in interior



has a faint appearance as if a finely granular oval body in vacuole



Solid bodies, no vacuoles



8 hyaline bodies in one, no other



Pseudo-filamentous red



central solid body in vacuole



as numerous vacuole x. in it a finely granular irregular body with tiny vacuoles. no movement

chills every day. Since 7 days ago - ad. 10/11.

Blood taken ~~from~~ in fever.

Spleen



very many small projections. This more
it looks like a free one, but not in a capsule

Pigment centrally placed. interpart. looks more
unlike the colored struts of a red capsule

not very abundant. but distinct. no intra cell
fines. all free. none ciliate

very few white.

6/10/83

chill every day. Sun. on old Eucalyptus.

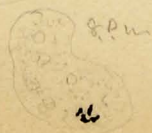
very abundant. mostly in the cells.

large prot(?) ones also seen

5.58

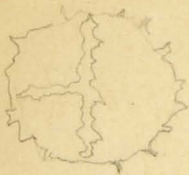


rather closer together than here
represented capsule dead



8 P.M. The body has changed entirely
has now assumed the form perhaps flat

Some with very little spines or present



Davis XXV. Malaria.

red corpuscle inside an active ameboid
body



red corpuscle

The crescentic form still present

30th

W. B. B. 3

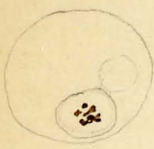
Care XXXII. John Price at 36. adm. 27th
child that eve. one inside. Has had
two in here. one in T. another on Wed.

2 slides examined. . one negative. one
with ^{crescentic} Has. Run. 27th. 28, 29, 20 yrs each
day. S/pl.?


Case VII Michael. - Bloilly 22/6/52

chill daily since since 15th. Blood was taken in same stage of parasueme.


7.45.




8.24




8.55




7.56




8.00




8.07. as if in two positions




8.20



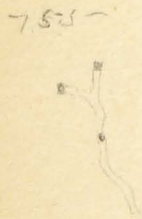
8.37



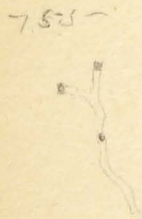
8.40




8.26 no change



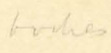
7.55 -



Filament in field



bodies



Care

Haematuria. Dr. Currier

Blood ex. in rect ~~with~~ ^{negative}

Care XX x 1 (Coul) chas. Blauus. 30th

very few. Dr. St. Dr. G. & Dr. O.

only one or two

Oct. 1st. Blood from child. ^{104°} Many bodies intra-cell
very abundant.

C. ac.

small fragment - this are



outline very
clear

Circular ones for Dr. Currier;

as if a flagellum was anchored

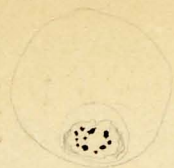
10/1/00

These forms abundant

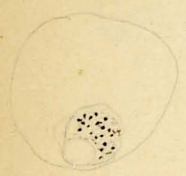
7.50

8.10

8.27. no special change



pigment granules, more peripheral
space distinct. particularly above



8.37



small body antiod movement distinctly. It



looks like one of the bodies inside the corpus
is about the same size. motion very slight

8.10.

8.27. no change



small bodies translucent, refractile in interior
larger than blood plaque



small
colorless corpuscle, pigment granules



large red with cloudy opaque body
in interior. a hyaline body in anterior
moving.


29th -

45


Case 2441 Chas. Blasius at 45

1st chill 8 days ago (23rd) shills every 2nd
 day since. 2 P.M. Never M. before. Been down
 in Jerry picking berries. No medicine.

Bladder chill 2³⁰ P.M. T. 104.2



Growth of muc. same as there noticed in
 several cases. Two bits of pigment in
 middle of growth





Small pig. body with an extremely thin
 almost invisible run about it.

3.57

. . 3.58

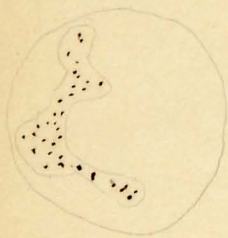
4.02

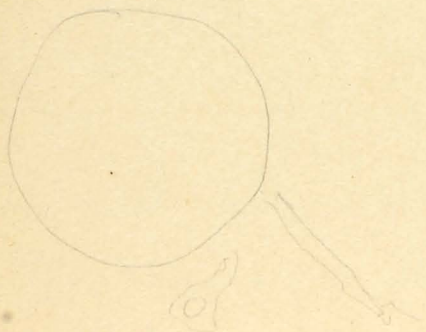
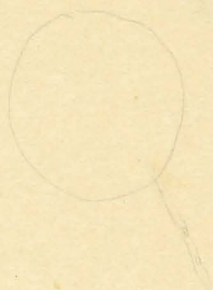
Changing actively. not granular. gentle by shell
 4:00 gone nothing but the shell remains



coloured capsule in which a section
at edge shows hyaline looking with pigment
grain. Some pigment in stroma granular



3.40



Corpuscle in shell

anatom. change

reput

lower
te. all to file

228th. Blood in. fever T. 105.2 Examined
in 24 hr. 24 hours after



not moved at all.
several plas. one ciliated: 2 others
not in motion

many groups of large immatures.

3 Blood in tube seen rather more in this slide
nearly all free in with very small ones.

10/7/86

Case xxix Mullen. had 11
crescents free



the present

Case VIII. Thomas Earley 38. Chills
 put out of way. . . out off even cure.
 Admitted 21st. Chill before admission
 at 9. Blood exam on 22nd.

Hyaline bodies found. . .

2nd Exam 23rd 4 PM. Had
 severe chill (reverse) 6 am, shook
 for 35". Still a little better since I
 heavy.

Great

granule & pigmented body
 several of these

Small ameboid looking bodies in the
 field

XXVII

W. S. Bell

284-

43

Case - Henry Alexander. 60. Worked in Maryland. Kent Co. Went there 8 weeks ago. Had regular chills, tertian. Came to work 14th. Chill before came in at 5 or 6 a.m. Back 208 m 2 a day. No malar, of spleen. anemic examined today. negative no

malaria intermittent

are most abundant.

284-

Case XXIX Henry Mullen. 60. Ward 8.

48

at on break from in Delmar. 1st chill 10 days ago. M. 5 or 6 hr. before 8 years ago. 8 m chills 10 days ago no further shake until today. 1

negative nine for. Was in fever when this was taken. no malar.

29th Blood in chill. 11.30. no pyramidal bodies

one much larger than

T. 104 to 105° each day. 27th

28 & 29th. M. T. 98 & 99

outlet taken after chills. 2 chills ex. malarial in appearance

Oct. 1 Blood for chill yesterday. had 208 m 2 in 10 p.m. negative.

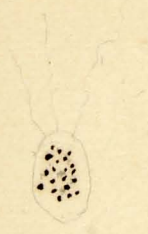
30th Examined again no malar.

See next page

Case VIII



small anucleated body

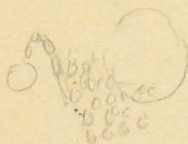


in a. locula

cilium long to move the corpuscle at
brownian movement very active



12 P.M. all filaments disappeared
granules still vibratile slightly and
a short stalks. R. half now stationary



The filament distinctly beaded
Cessant faint



The whole body ^{vibratile} ~~is~~ moving. Is
very distinctly beaded
Lamellar cross in R.B.C.
is not visible

Two small circular bodies with pigment
stains ... no color

similar ones



Two bodies about same size. Hemo-
genous. no granular pigment. Look
like Plasmas.

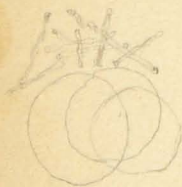


10.10



very pale cytoplasm and below it a series of
small circular pale grey bodies similar to those on
p. - which developed from the
a small filament-like body

10.10



Group of 8 or 10 short filament. in irregular
very moving. They are thinner than represented here.
They do not change in locality. Ends of some look larger
than . Left at 10.30

9.50 am a

- Doubtful case. Boy. Or 7
chill last evening. hot. sleep. no
Feverish now.

Blood negative. Probably not. Malaria.

Case XXVII Cont.

28th. still in same condition. no paroxysms
dull, heavy, scanty talks. Tongue pink & dry



very many large, deeply pigmented
colorless. forms. - pos. large.

29th. examined blood 6 hours after death

no special increase in the forms. Colorless corpuscles
still in movement

Michael Doherty.

Chill began at 1.30. Blood taken during

chill. 180. ~~Sm.~~ t.i.d

Bodies scanty.

XXVII · Harry Harris. Oct. 70 .. adm. 25th Phil. 26th - 40

Has been Gringa recent weeks & has had chills.

Spleen ^{slightly} enlarged. T. 25-101.3. 97.5-98°. No.

Leuc. ^{in house} Very anemic. : 3 days ago last chill.
Has had it before came in. Urine has been blood red

round. pigmented nodules hyaline periphery
pigmented masses, which vary from time
to time. The translucent periphery is similar
in appearance to the end of the curved form

slight changes in outline quite
distinct.

creaked body. cilium single. has a length
of corpuscle. movements very active.

Possibly 2. or 3. cilia as

Cilium disappeared. in about 10 minutes
after. Did not see it go. Corpuscle.

The lashing of the cilia does not cause movement

undulated form cilium not in active motion

one crescentic form

Case 1X. Return 14th Sept. Joseph - Had chills
2 years ago. also one slight attack last summer.
No distinctive border

Slide taken 23rd

1. inventing



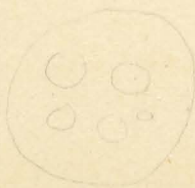
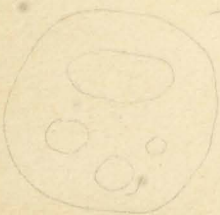
group of spores, closely packed

25th 10.12 Patient seen in chills

Blood slide taken



red corpuscle with curious change



these are the upper and lower

Very many corpuscles with these clear spaces in the
center. taken after

Phila Corp. Case of suspected periton.
Malani.

Blood examined 13 hours after death

1 colorless corpuscles still in amoeboid motion

2 no plasmodia. a few doubtful pigment
spots in colorless corpuscles

In this case the careful examination of
the blood during two paroxysms &
in each of the stages may be stated the negative
no pigmented bodies in the red. and the
paler bodies not evident. The vacuolar
spaces figured in preceding page probably
not the same. In several slides there
were rounded pigmented bodies like
small leucocytes.

Phila. Herb. vol. 24th

XXVI. Henry Mc Gungun 33-

For three weeks. First time of all. K. Quoted in
at first. Now Tertian. No spl. ent. Chills yesterday.
Has taken med. inside. Coz not know what.
Is anemic looking

1st slide negative, perhaps over two little bits of
pigment in wh. to corp.

None in 2nd slide

Had 20 gm of 2. 8. 9. 10 & 11
25th. Blood just before a chill ^{Negative} _{there are none in}

24th. This man had two blisters in hand. after
careful rubbing with cor. sub. a drop taken.
Many leucocytes in serum. none pigmented. a
few red corp. innumerable mucus with
capsules

28. . negative. Has had a little fever
2. slides

26/10/86

Case x child at 5. . . went to Maryland
last Sept returned in Oct. had chills
& fever severe. They persisted at times thro
the winter. & . . .

weeks ago a
well nourished
on account of
and the . . .

Edge the felt at margin spots. - a little bilious.

Blood - good color

No bodies in corpuscles.

Small
a few granular pale bodies in field with
a pigment spot. Doubtful of true pigmented
protoplasmic bodies.

XXV * Davis 44 1st attack 20 yrs
 ago, now for 6 weeks, not a week without.
 Tertian has been taking 2 but not in quantities
 in still febrile stage

movements, concentric
 4 a different
 quite distinct



Many of these form, one third longer than diameter of red
 corpuscle. Pig. - ~~corner~~ than in round form

Very compact. dense mass of pigment in centre as a rule
 in a few more scattered. In many there is for concave side
 a thin membrane joining the ends, very delicate, not seen in
 any other situation. no movement. no color. They attach themselves to
 red cells. Ends generally clear, or occur granules on whole translucent periphery

bit of
 colorless corp with deep black pigment
 several white fragments

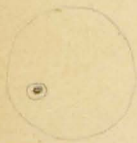
There seems to be an entire absence of all other forms



Some much narrower than others & less curved



red corp with micrococci like body in it very
 many of these



colorless corp with fine granules & undistinct
 outline of a plasmod

numerous. lot of same character.
 perianth

27/6/86

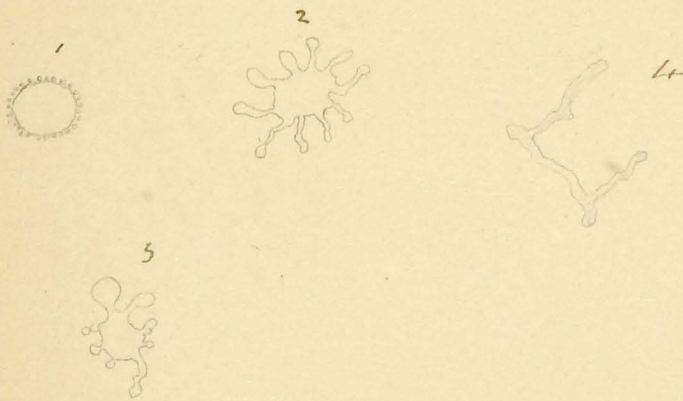
25

Case X 1. ab. 6. Perm. Hosp. Driller
 6.20.86. Never before. 4. far. 6.21, 2nd 6.23 3rd
 6.25, 6.27. Stud in

Two slides. 1 in chill ^{7.10} other in fever 1.33,
 chill slight.

Negative so far as red corpuscles concern
 one or two small beamed corpus leucocytes

In one slide which was very much flattened
 there were many corpuscles with clear spaces but
 these I am inclined to think are artefacts as they
 occur most frequently under this condition.



Many red corpuscles as at 1, 2 & 3. The (4)
 is a becular shape, no doubt a transformed
~~leucocyte~~ ^{leucocyte} ~~stroma~~ ^{stroma} a ~~transformation~~ ^{transformation} ~~appears~~ ^{appears}
 and with the elongated projections of 2 & 3. Such
^{2 or 3}
 bodies ~~seen~~ examples were seen.

28/6/86. Exam. slides again with great care. Neg.
 so far as red corpuscles

XXIII

P. D. 61

Agar covered all at 15.

Extruded for 4 days until 19th when last one
 has left.
 since for x. 1 id. no spl. endang

one pigmented wh. co - corp.

no pigmented red

one small anastom. pigmented boy

24th

exam 3 hrs after with

XXIV W. J. Williams 38. 1st attested

Began on 12th. Chill every other day.

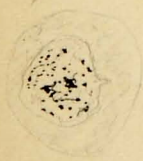
Last chill on -

Came in on 20th. has had 30 grams of

I. since. 200 Anem. No spl. spleen enlargement

1st slide. 1/2 hour only one

large red corpuscle with plasmodium. margin
 of wh. very distinct. shape of corp. still preserved
 no brownian mot of bacteria.



all the granules do not appear to be pigmented.
 no streaming movement of granules. prot. also changes in shape
 here

not more than half a dozen in the blood



Case XII Wm. Evans at 47. ²⁶

Perm. Hopt. 6.26.86.

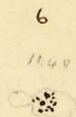
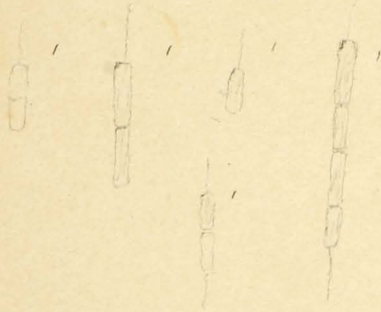
Parox. every day.

Specimen Taken 11.45 Pm of 27th. Temp.

103°

Reg. at 11. am. 28th.

Exam. at 8 Pm. *Microcyctus* ~~micro~~ ^{forms}
 in field. in short bacilli with cilia at ends. very distinct
 & clear. Groups of clear branches. uniform bodies. little large
Microcystis. - not abundant. They move with a jerky irregular motion
 like *microcystis*. In use, the other malaria slides have much more developed
 in keeping the slide

(6) free pigmented body.
no movement.

(5) corpuscle with non-pig. body

after eschschwe reach this body with pigment in
 interior. Crescentic. 3 clear spaces. 21 pigmented regions.
 in concave surface a line joins the ends of curve. No movement
 Perhaps only curved a depressed red with a pigmented
 body in interior. (4) a second corpuscle. with pigmented body

XX 11. Carroll ch. 34. Had in 72. x 76
 on 20th Aug. in Hush 10 days. Chills 3 in Hush. Came
 in on 20th Had chill that day more in. Spleen large.

2

10/6/88

5:50

8 PM

23rd 2 PM



had not
 changed (something)



very dark but 7 pigment inside & colorless
 corpus. - scarcely looks like anelasma, rather like
 a promastix. but it is distinct in color the corpus



anelasma body with pig

25th. T. quater 101. not a chill



These anelasma

.chill 29th. x 28. x 82 7 2 or 3

30th - Crescentic form distinct & abundant

Oct. 1st. Blood. Crescentic form. 10/6/ crescents numerous

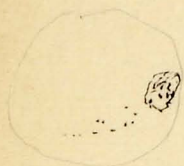
Case XIII. Perm. Hnp.

7/2/20 29

chill. 102 $\frac{4}{5}$ - 7 $\frac{10}{5}$



very distinct. pigment and body in a pale red



large & very pale during blood
examination. 1/2 as large as



17/9/86³⁴

Case XX Mich. Grogan 48. 1st attack
 march. began. B & O. R. at Derby. C. was
 dy & then very other. Last. month not at all.
 Last long chill Saturday. Do not think he
 took quinine. In morn. 13. On. In morn. no
 chill but very. After evening.
 none found.

17/9/86

Case XXI Tevers 28. 1st chill 6th.
 42 in a then. Took. med. - very little.
 In on 14th. Gs XXX in 3 dres. Gs +. Lid.
 Food at 4.30. none found.

Habitat.

Many & large.



Large cell



very large

All the affected corpuscles look large. are thicker
not crenated

5 PM . No 2.

Bodies tolerably numerous. none ad. one or
two small for me

15th Sept

Case XIX 7 Logs (f) 29. 1st chill Sept
2 chills every day since. Not ana. Never
M. before. Has had gross of ana. Last at 8.30 PM.
14. Blood shows only one or two bodies very
scanty.

15/7/81 29

Case XV

2. PM

Robt. - at 40 adm. Philadelphia 14th
 never met before. First child Monday 5th.
 no every day since. This am began at
 7. Laid several hours. Is now in hot stage
 2 slides of blood. T. 104.
 very scanty. Exam. 6 hrs after withdrawal



Several bodies like this. pigment in central
 part clear protoplasm outside. no haemoglobin
 Possibly they are r. c. which have lost their
 A & have the plas. mat. in

Several well marked ones in pale corpuscles
 but on the whole very scanty. A few in
 which the pig. granules seemed irregularly
 distributed - not in a deep body

16/7/84

3 slides in interval. Is feeling better. T. normal.

Bodies much more abundant.

several. free in field.



small unpigmented one

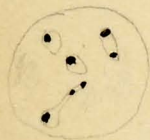
63

Care x v.

17/12/86 Care x v. chill at 7. am. Blood
examined at 3.30 while in sweat. T. read
105°. T. at ex 101.

Plas. scanty. most so only 2 or 3 in
3 slides.


18th. Slide at 14. In p.m. day. Pigmented
bodies scanty.




Pale corpuscle with four bodies in center
greyish (faint). tint. not vacuoles. apparently.
In these round bodies of deep. red tint in certain foci are they m.c?
or are they pigment.? They res. power as seen in stained
preparations. The bodies in which they are alter their
position in the corpuscle. but do not show amoeboid
movement. no brownian motion of granules.

at 10.50 p.m. There were many groups of large m.
such as seen in one or two slides before.

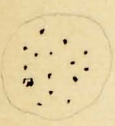
5th after. 30
washed



Pale corp. with 4 or 5 small bodies in
interior, as if broken up. Brownian motion




Free one slow amoeboid change.




(all to corp)
Pale sphere with 14 or 15 dancing pigment
bodies.


none of the paper bodies



a body in interior of colorless corp. evidently
not a del. red as the protopl. is distinctly
grey & finely granular. Slight amoeboid change



col. corp with 2 bodies in inter. They do not
appear to be vacuoles



a colorless corp with scattered pigment
grains

Case XVI.

6/9/86

31

man in chill never Hospital

agone attacks on and off since April.

Malarial bodies, ^{very} abundant, none cleared.

11th. Patient had 20 gr. qu. in the eve + 20 this am. had
no chill but revealed a good deal. Blood shows pigmentary
bodies but not in such numbers.

12th. no more qu. Still a few bodies

Case XVII (July) 14th - (1886)
John Brown at 21. Chills three
weeks

Blood during chill T. 105°. 3 slides. not numerous
a few cleared body. pigmented. only a single
album visible but it was incited by many
red cells.

15th. no chill. P. has had qu. 80 x 15. Bodies
totally numerous

33041

Richard Bowen left

in June 1st

no record

